

TECHNIQUE FOR IMPROVING THE PREDICTION RATE OF DYNAMICALLY UNPREDICTABLE BRANCHES

Abstract

[0038] A method of improving a prediction rate for instructions in code includes determining a sequence from profile information; and transforming the code based on the determined sequence. A method of improving processor performance includes transforming a set of branches into a second set of branches, wherein the second set of branches comprises the original set of branches; and a sequence of branches likely to execute as an entity. A processor includes means for processing instructions; and means for transforming a set of branches into a second set of branches, wherein the second set of branches comprises the original set of branches; and a sequence of branches likely to execute as an entity.

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